Panasonic

Panasonic recommends Windows 8 Pro.

TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology[1]
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional integrated LTE Mobile Broadband

Enhanced performance and versatility from the original semi-rugged laptop manufacturer.

In 1998, Panasonic created the first semi-rugged computer. Now, Panasonic introduces the latest generation, the Panasonic Toughbook® 53. With a 14" HD LED display, the latest Intel® Core™ processor and an oversized multi touch touchpad, it performs like a desktop. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, LTE mobile broadband, an integrated webcam and enhanced connectivity make this the most versatile semi-rugged PC ever.

3-FOOT DROP RATING

MIL-STD-810G

1.866.413.3099
panasonic.ca

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DURABILITY
- MIL-STD-810G certified (3' drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Hard drive heater
- Magnesium alloy case with handle
- Shock-mounted flex-connect hard drive with quick-release
- Pre-installed replaceable screen film[1]

SOFTWARE
- Windows 8 Pro
- Windows 7 Professional 32-bit[1] or Windows 7 Professional 64-bit[1]
- Panasonic Utilities, Recovery Partition

CPU
- Intel® Core™ i5-3340M vPro™ Processor
  - 2.7GHz with Turbo Boost up to 3.4GHz
  - Intel Smart Cache 3MB

STORAGE & MEMORY
- 4GB SDRAM (DDR3L-1333MHz), expandable to 8GB[3,4]
- Shock-mounted flex-connect hard drive with quick-release
  - 500GB 7200rpm
  - Optional 128GB and 256GB reinforced flex-connect SSD[4]

DISPLAY
- 14.0" High Definition (720p) LED 1366 x 768
- Optional touchscreen
  - Panasonic CircuLumin™ technology (2-1000 nit, AR and AG screen treatments, circular polarizer)
- Anti-reflective screen treatments
- Video controller: Intel® QM77
  - max. 1428MB shared VRAM with 32-bit[5]
- External video support up to 1920 x 1200 at 16.7 million colors
- Concealed mode

AUDIO
- Intel® high-definition audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT
- Touchscreen with integrated stylus holder[1]
- 87-key with dedicated Windows® key
- Oversized electrostatic touchpad with multi touch support

MULTIMEDIA BAY
- DVD Super MULTI Drive

EXPANSION SLOTS
- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

INTERFACE

Docking connector	Dedicated 100-pin
HDMI	Type A
VGA	D-sub 15-pin
Headphones/speaker	Mini-jack stereo
Microphone/line in	Mini-jack stereo
Serial	D-sub 9-pin
USB 3.0 (x2), USB 2.0 (x2)	4-pin
10/100/1000 Ethernet	RJ-45
56K Modem	RJ-11

WIRELESS
- Optional integrated LTE mobile broadband
- Intel® Centrino® Advanced-N 6235 802.11a/b/g/n (i5 models)
- Optional Bluetooth® v4.0 + EDR (Class 1)
- Security
  - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
  - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Slide on/off switch

POWER SUPPLY
- Battery operation[6]
  - 11 hours
- Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Lightweight Li-Ion battery pack (10.8V, typical 4500mAh, minimum 4200mAh)
- Battery charging time: 2 hours[6]
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT
- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES
- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS[7]
- Intel® Anti-Theft Technology
- Optional fingerprint reader
- Optional SmartCard reader

WARRANTY
- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT
- 11.1"(L) x 13.4"(W) x 1.8-2.2"(H)
- 5.8 lbs., 6.5 lbs. (touch model)

INTEGRATED OPTIONS[8]
- LTE mobile broadband
- 720p webcam and digital mic
- Backlit emissive keyboard
- SmartCard reader
- Fingerprint reader
- 128GB and 256GB solid state drives (SSD)

SELECT ACCESSORIES[8]

AC Adapter (3-prong)	CF-AA5713AM
Long Life Battery Pack	CF-VZSU71U
Battery Charger	CF-VCBTB2W
LIND Car Adapter	PA15801745
Carrying Case	CL55
Memory Cards	
– 4GB DDR3L	CF-WMBA1104G
Desktop Dock	CF-VEB531U
Touchscreen Replacement Stylus	CF-VNP009U
Tether	CF-VNT002U
14.0" LCD Protector Film	CF-VPF17U

Please consult your reseller or Panasonic representative before purchasing.

[1]Touchscreen model only.

[2]A full set of Windows XP drivers are available at panasonic.ca

[3]Total usable memory will be less depending upon actual system configuration.

[4]1GB = 1,000,000,000 bytes.

[5]The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 1696MB with 4GB of memory.

[6]Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

[7]Requires software and activation to enable theft protection.

[8]Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.

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